ATENT COOPERATION TREATY

PCT

10/532136

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	file reference FOR FURTHER see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.					
CF017651W0	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)				
International application No.	The strain state that goes (adjusted to the state)					
PCT/JP 03/13604	24/10/2003	24/10/2002				
Applicant						
CANON KABUSHIKI KAISHA						
This International Search Report has be according to Article 18. A copy is being to	en prepared by this International Searching Autransmitted to the International Bureau.	hority and is transmitted to the applicant				
This International Search Report consist It is also accompanied be	s of a total of <u>05</u> sheets. y a copy of each prior art document cited in this	report.				
1. Basis of the report						
 a. With regard to the language, the language in which it was filed, un 	e international search was carried out on the ba nless otherwise indicated under this item.	sis of the international application in the				
the international search Authority (Rule 23.1(b)).	was carried out on the basis of a translation of	the international application furnished to this				
b. With regard to any nucleotide a was carried out on the basis of the	and/or amino acid sequence disclosed in the in the interesting the sequence listing the sequence disclosed in the sequenc	nternational application, the international search				
contained in the internal	tional application in written form.					
filed together with the in	ternational application in computer readable fo	m.				
furnished subsequently	to this Authority in written form.					
	to this Authority in computer readble form.					
the statement that the si	ubsequently furnished written sequence listing as filed has been furnished.	does not go beyond the disclosure in the				
the statement that the ir furnished	nformation recorded in computer readable form	is identical to the written sequence listing has been				
2. Certain claims were fo	und unsearchable (See Box I).					
3. Unity of invention is la	cking (see Box II).					
4. With regard to the title,						
	submitted by the applicant.					
	lished by this Authority to read as follows:					
• •						
5. With regard to the abstract,	submitted by the applicant					
the text has been estab	submitted by the applicant. lished, according to Rule 38.2(b), by this Autho he date of mailing of this international search re	rity as it appears in Box III. The applicant may, aport, submit comments to this Authority.				
	blished with the abstract is Figure No.	1				
as suggested by the ap	plicant.	None of the figures.				
X because the applicant f	ailed to suggest a figure.					
	er characterizes the invention.					
<u></u>	%					



rnational application No.

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Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the:first sheet)

A polyhydroxyalkanoate copolymer comprises one kind of unit of -[OCH((CH₂)_x-SOC₆H₅R)CH₂CO]-(1) (n=1-7)(wherein R is any one of H, halogen, CN, NO2, COOR', SO2R" (R' is any one of H, Na, K, CH₃ and C₂H₅; R" is any one of OH, ONa, OK, halogen, OCH₃ and OC₂H₅), CH₃, C₂H₅, C_3H_7 , $(CH_3)_2$ -CH and $(CH_3)_3$ -C) and -[OCH((CH₂)_x-SO₂C₆H₅R)CH₂CO]-**(2)** (x=1-7)(wherein R is any one of H, halogen, CN, NO2, COOR', SO2R" (R' is any one of H, Na, K, CH₃ and C₂H₅; R" is any one of OH, ONa, OK, halogen, OCH₃ and OC₂H₅), CH₃, C₂H₅, $C_3H_{7_1}$ (CH₃)₂-CH and (CH₃)₃-C) $(CH_3)_2$ -CH and $(CH_3)_3$ -C) and at least one unit of chemical formulae (3) to (6): (3) -[OCH((CH₂)_m-Rz)CH₂CO]-(m=1-8)(wherein Rz comprises a residue having either phenyl structure or a thienyl structure), - $[OCH((CH_2)_k-C_6H_{11}Ra)CH_2CO]$ -(k=0-7)(wherein R_a is any one of H, CN, NO₂, halogen, CH₃, C₂H₅, C₃H₇, CF₃, C₂F₅ and C_3F_7 (5), and -[OCH((CH₂)_n-CH=CH₂)CH₂CO]-(n=1-8)(n=1-8)(6) -[OCH((CH₂)_n-COORb)CH₂CO]-(wherein R_b is any one of H, Na and K)

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A. CLASSIFICATION OF SUBJECT MATTER I PC 7 C08G63/688 C12P7/62

G03G9/087

C08L67/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\label{lem:minimum documentation searched (classification system followed by classification symbols)} IPC~7~C08G~C12P~G03G~C08L$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

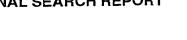
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

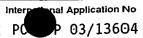
EPO-Internal, WPI Data

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X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance.	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
13 January 2004	f 9. 03. 04
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk	Authorized officer
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C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	1=
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